

What is claimed is:

1. (original) A sensor, in particular a pressure sensor, having a housing (1); a housing interior (12) that contains a sensor element (9); electrical connecting elements (7) that are routed from the outside, through a housing part (2), and into the housing interior (19) and have connecting segments (17), which protrude into the housing interior on an inside (14) of the housing part (2) at respective entry points (15) and are electrically connected directly or indirectly to the sensor element; and having a protective covering (21) that covers the connecting segments and the sensor element, wherein a sealing material (20) is applied onto the connecting segments (17), at least in the region of the entry point (15) of the connecting segments (17) into the housing interior (19) and the part (13) of the inside (14) of the housing part (2) encompassing the entry point (15), and the covering (21) is applied onto the sealing material (20) and the connecting segments (17).
2. (original) The sensor as recited in claim 1, wherein the sealing material (20) is a hardenable sealing material.
3. (currently amended) The sensor as recited in claim 1 ~~or 2~~, wherein the sealing material (20) is a sealing adhesive.
4. (original) The sensor as recited in claim 1, wherein the protective covering (21) is manufactured out of a gel, in particular a silicone gel.
5. (original) The sensor as recited in claim 1, wherein the part (13) of the inside (14) of the housing part (2) encompassing the connecting segments (7) constitutes a recess for the sealing material, which recess has an inner wall (11) on the side oriented toward the sensor element (9) and an outer wall (12) on the side oriented away from it.

6. (original) The sensor as recited in claim 5,
wherein the outer wall (12) simultaneously constitutes a frame that laterally
delimits the protective covering (21).
7. (currently amended) The sensor as recited in ~~one of claims 1 through 6~~
claim 1, wherein the connecting segments (17) are electrically connected to the
sensor element (9) by means of bonding wires.
8. (currently amended) The sensor as recited in ~~one of claims 1 through 7~~
claim 1, wherein the protective covering (21) completely covers the sealing
material (20).
9. (original) The sensor as recited in claim 8,
wherein the protective covering (21) completely covers the ends of the
connecting segments (17) protruding from the sealing material (20).
10. (currently amended) A method for manufacturing a sensor as recited in
~~one of claims 1 through 9~~ claim 1,
wherein in a first step, a sealing material (20) is applied onto the
connecting segments (17), at least in the region of the entry point (15) of the
respective connecting segments (17) into the housing interior and the part (13) of
the inside (14) of the housing part (2) encompassing the entry point (15), and
then in a second step, the protective covering (21) is applied onto the sealing
material (20) and the connecting segments (17).